

Amdt. dated March 31, 2004

Reply to Office action of March 24, 2003

Amendments to the Specification:

Please amend the paragraphs 0004, 0039 and 0058 as follows:

a 1 [0004] In the production of a machined part, a cutting tool, conventionally rotated at high speed, is traversed across a workpiece secured to a machine table mounted for movement above a machine bed, the cutting tool removing metal from the workpiece in stages, the removed metal constituting scrap or swarf. To ensure high quality cutting action, a cutting fluid is conventionally directed to the interface between the cutting tool and the workpiece, providing lubrication for the cutting action, washing cut material from the immediate vicinity of the interface, and ~~to maintaining~~ the temperature of the cutting tool at a preferable low temperature.

a 2 [0039] Preferably such pump means is also operative to delivery fluid to the cutting head of the machine.

a 3 [0058] The hose forming the syphons has a flattened, generally oval cross-section at the top of its loop, which is wider in the horizontal direction ~~to~~ than the vertical direction. This promotes the siphon action and prevents air bubbles forming in the hose.

Please amend the Abstract as follows:

Abstract

a 4 A swarf management system to remove cut material (swarf) from the surfaces of a cutting machine comprises a fluid receptacle, a pump means to deliver fluid from a sump to the receptacle, and a flow line extending from the receptacle from which fluid flowing from the receptacle may be directed across a machine surface for the removal of swarf therefrom. An Outflow control mechanism means is provided, conveniently in the

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form of one or more syphons to cause fluid to flow from the receptacle only intermittently, thereby producing an intermittent large volume flow of fluid over the machine surface.

a 4